

## SICE-2018 as a Global Event

Over 160 delegates participated in SICE-2016. Even larger participation is expected for SICE-2018, given the growing importance of the theme of the conference.

The Conference venue provides adequate resources for the exhibition and for poster sessions apart from at least four parallel oral sessions.

Several eminent scientists and academics from the United States, Europe, Russia, Japan and Australia intend to participate in SICE-2018. Some have also kindly agreed to serve as faculty for the Pre-Conference Workshop.

We cordially invite participation of overseas colleagues. Foreign delegates are requested to immediately register their intent to participate on the Conference website ([www.sice2018.in](http://www.sice2018.in)). This will enable timely processing of necessary clearances from relevant ministries to streamline the issue of Visa.

## REGISTRATION

The SICE series of conferences and workshops are co-sponsored by InSIS, a not-for-profit organization that also enjoys public funding towards specific events to promote science and education. This permits us to offer attractive Registration Fee and certain concessions to students, personnel from government supported institutions and InSIS members. InSIS Lifetime membership fee is under USD 100 and can be processed on the InSIS website ([www.instint.in](http://www.instint.in)). The Registration Fee listed below applies to advance registrations through the Conference website ([www.sice2018.in](http://www.sice2018.in)).

### Pre-Conference Workshop

Professionals	INR 8000
Students & InSIS members	INR 3000

### SICE 2018

Foreign Delegate/Students	USD 350
Indian Industry/Corporate	INR 12,000
Indian Academia/Govt./R&D Labs	INR 9,000
InSIS members	INR 7,000
Students	INR 5,000
Spouse	INR 3,000

## ABOUT InSIS

Founded in 2015 as a not-for-profit professional society, Indian Structural Integrity Society, InSIS, aims to develop and extend knowledge in all aspects of Structural Integrity and disseminate that knowledge world-wide with the goal of improving the safety and performance of engineering equipment, components, and structures. Specifically, it aims to foster research and collaboration, facilitate education, development of new test methods, improved engineering designs and manufacturing practices, and improved maintenance and inspection procedures for prevention of failure of engineering materials, components, and structures.

## ABOUT DMRL

Defence Metallurgical Research Laboratory (DMRL) was established at Hyderabad in 1963 to produce complex metals and materials needed by the Indian Defence Industry. Over the years, the laboratory has acquired a special status as a premier centre for R&D in metals, alloys, ceramics and composites. Since its inception, the laboratory has developed and established a number of frontline technologies in the area of metallurgy and materials science. An infrastructure of advanced experimental facilities has evolved over decades. The developments at DMRL have led to the creation of new technology and production centres in the country.

## ABOUT HYDERABAD

Hyderabad, famously known as Pearl City, is the capital and the largest city in the state of Telangana. The city boasts of a rich history spanning more than 400 years and with an exciting cultural heritage including arts, literature, architecture and diverse cuisines. It is a tourist paradise with numerous must-see historical monuments and museums. The climate in Hyderabad during July is mild.



## WHO SHOULD ATTEND?

The conference is of relevance to basic and applied researchers, academicians, design engineers, material developers, regulatory authorities, failure analysts and all other professionals associated with Structural Integrity.

## ORGANIZING COMMITTEE

### CHIEF PATRONS

**S CHRISTOPHER**, SECRETARY DD(R&D) and  
DG DRDO, New Delhi

**ASHOK SAXENA**, PRESIDENT, InSIS

### PATRONS

**S V KAMAT**, DG (NS&M), DRDO

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**VIKRAM JAYARAM**, VICE PRESIDENT, InSIS

### CHAIRMAN

**VIKAS KUMAR**, DIRECTOR, DMRL

### CHAIRMAN, EDITORIAL COMMITTEE

**K BHANU SANKARA RAO**, MGIT

### ADDRESS FOR CORRESPONDENCE

### KARTIK PRASAD

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Phone: +91 40 24586407, Fax: +91 40 24340266

Email : [convener@sice2018.in](mailto:convener@sice2018.in)

For more details about Hyderabad, please visit:

[www.telanganatourism.gov.in](http://www.telanganatourism.gov.in)

## SECOND CIRCULAR

# Second Structural Integrity Conference & Exhibition SICE-2018



**July 25 – 27, 2018**

Courtyard by Marriott, Hyderabad

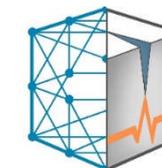
Pre-Conference Workshop, July 23-24, 2018

DMRL, Hyderabad

Telangana, India



Organized by  
Defence Metallurgical  
Research Laboratory



Under the Aegis of  
Indian Structural  
Integrity Society (InSIS)

Visit us at: [www.sice2018.in](http://www.sice2018.in)

## ABOUT SICE-2018

July 25-27, 2018

The Defence Metallurgical Research Laboratory (DMRL) and Indian Structural Integrity Society (InSIS) are pleased to convene the Second International Structural Integrity Conference and Exhibition (SICE 2018) to bring together experts in key disciplines that together determine safety, durability, and robustness of everything that works and moves.

India being one of the largest, rapidly growing global economies, explosive growth of energy, transportation and manufacturing sectors demands increasing and expanding expertise related to structural integrity including the application and practice of advances in Materials Engineering, Design & Simulation, Fatigue & Fracture Mechanics, Non-Destructive Inspection and Structural Health Monitoring.

SICE-2018 is a follow-up of the highly successful SICE-2016 held in Bangalore, July 4-6, 2016 with participation of a large number of eminent scientists from many countries. The Exhibition at the event presents a unique opportunity for institutions and businesses in Structural Integrity to showcase their products and services to a specialist audience gathered for the Workshop and Conference.

## PRE-CONFERENCE WORKSHOP

July 23-24, 2018

SICE-2018 will be preceded by a Pre-Conference Workshop hosted by DMRL and chaired by its senior scientist, Dr. DVV Satyanarayana. The workshop is intended to support basic understanding and skill development in topics related to structural integrity and its applications through lectures and hands on laboratory exposure, conducted by leading experts in respective areas. It will cover fundamentals of low cycle fatigue, creep, fracture mechanics and composites, characterization of defects using NDE techniques, finite element modeling, life extension of aging aircrafts etc.

Who should attend? Practicing scientists and engineers in the broad area of Structural Integrity, post-graduate students and teaching staff in related disciplines.

## EXHIBITION

July 25-27, 2018

The venue of the exhibition is *Courtyard by Marriott*, Hyderabad. The exhibition will provide the opportunity for institutions & businesses in structural integrity to showcase their products and services to a specialist audience gathered for SICE-2018.

Conference sponsors will enjoy preferred allotment of exhibition space. Exhibitors and sponsors will enjoy the option of brief oral thematic presentations at the commencement of technical sessions,

## CALL FOR ABSTRACTS

Prospective authors are requested to submit their abstracts online through website ([www.sice2018.in](http://www.sice2018.in)) on topics related to Structural Integrity, including:

- *Strength, durability and damage tolerance of structures in aerospace, civil, nuclear and thermal power, marine, automotive, railway and other safety critical applications*
- *Mechanical behavior of metallic, ceramic & composite materials including fracture, fatigue, creep and corrosion*
- *Strength and durability of biomedical devices*
- *High temperature oxidation and corrosion resistant coatings*
- *Endurance of thermal barrier coatings*
- *Impact strength and resistance to impact damage*
- *Failure analysis*
- *Structural Integrity of Additive Manufactured Components*
- *Repair and life extension of structures*
- *Repair & rehabilitation of engineering structures*
- *Life extension of thermal & nuclear power plants*
- *Health monitoring and non-destructive inspection*
- *Digital twin modeling technology for Health Monitoring*
- *Sensors for Health Monitoring*
- *Application of non-contact techniques in testing and measurement*
- *Test Technology for materials, components and full-scale structures*

- *Engineering for Structural Integrity – Computer Aided Simulation*
- *Multi-scale modeling of damage*
- *Development of materials and characterization at elevated temperatures*

## IMPORTANT DATES

- Online abstract submission starts: 01<sup>st</sup> January 2018
- Online abstract submission closes: 31<sup>st</sup> March 2018
- Notification of acceptance of abstract: 15<sup>th</sup> May 2018
- Decision on oral/poster presentation: 15<sup>th</sup> June 2018
- Submission of full length manuscript: 15<sup>th</sup> July 2018

## PUBLICATION OF PROCEEDINGS

Subject to acceptance by editorial committee of SICE-2018, select papers will appear in a Scopus indexed publication of international repute.

## CONFERENCE VENUE AND ACCOMMODATION

The SICE 2018 Conference and Exhibition will be held at the luxurious 'Courtyard by Marriot Hotel & Convention Centre' overlooking the beautiful Hussainsagar Lake, a prime location on the landscape of the twin cities of Hyderabad and Secunderabad .

As a special gesture towards the forthcoming international conference, accommodation is provided at discounted rates not to exceed INR 4500 (inclusive of breakfast and taxes) at the Courtyard by Marriott. 100 rooms have been blocked at the Marriot for the conference week and these will be available on first come first served basis for conference delegates.

For more information on SICE 2018 venue, visit <http://www.marriott.com/hotels/hotel-photos/hydcy-courtyard-hyderabad/>

Information on other hotels for participants of SICE 2018 as well as the Pre-Conference Workshop will be forthcoming on the conference website.

## SPONSORSHIP FORM

### STRUCTURAL INTEGRITY CONFERENCE & EXHIBITION

SICE – 2018  
JULY 25-27, 2018, HYDERABAD

DEFENCE METALLURGICAL RESEARCH LABORATORY,  
Kanchanbagh, Hyderabad – 500 058

Name & Address:

Mobile:

Phone:

Fax:

E-mail:

### Payment Details:

A Multi-city cheque/DD No.

Dated: \_\_\_\_\_ for Rs. \_\_\_\_\_ favoring  
"SICE-2018" payable at Hyderabad is enclosed  
towards \_\_\_\_\_

category of sponsorship.

Station:

Date:

Signature

**Send the complete / signed form to the convener of  
SICE - 2018**